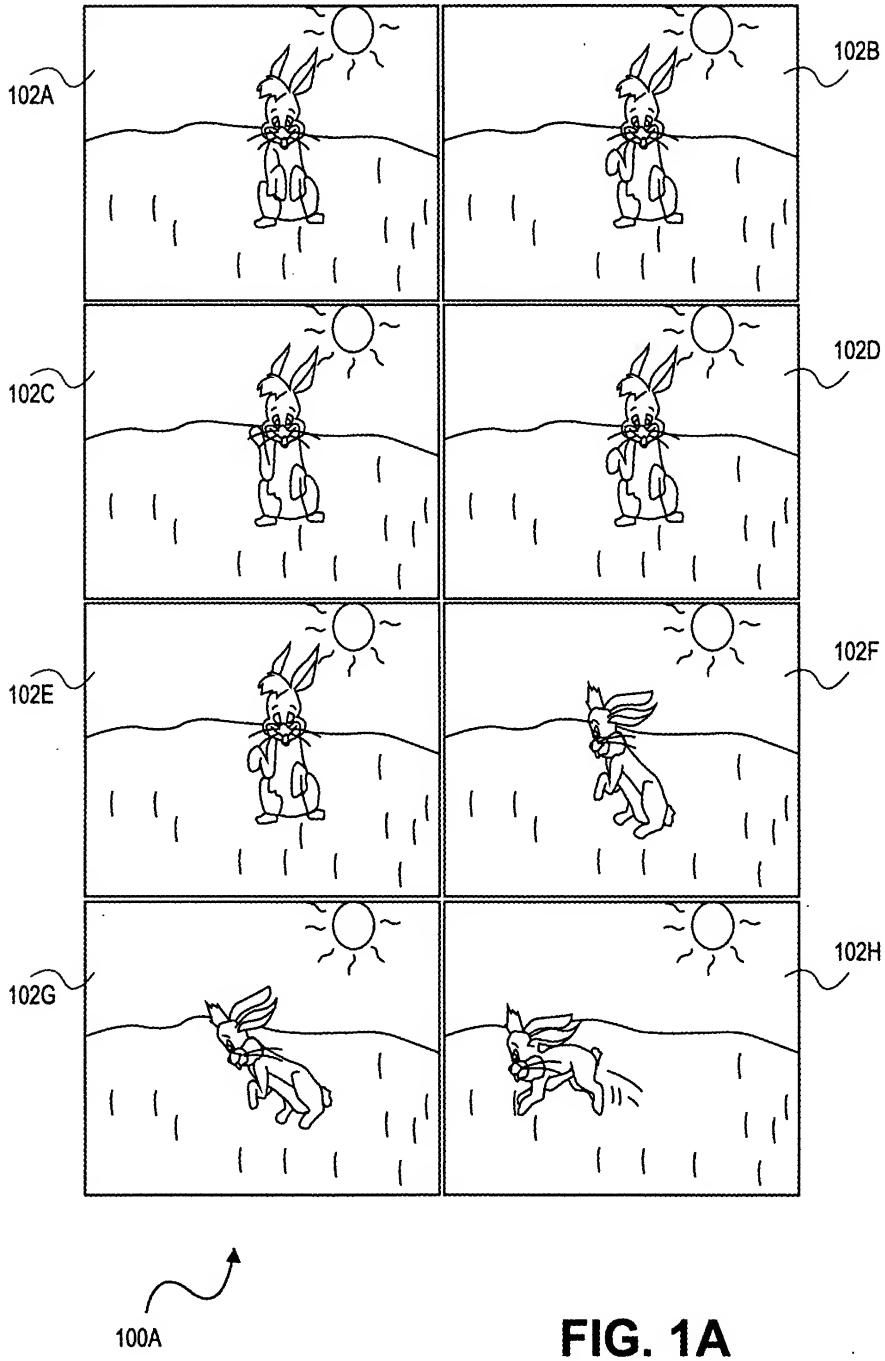

FIG. 1A

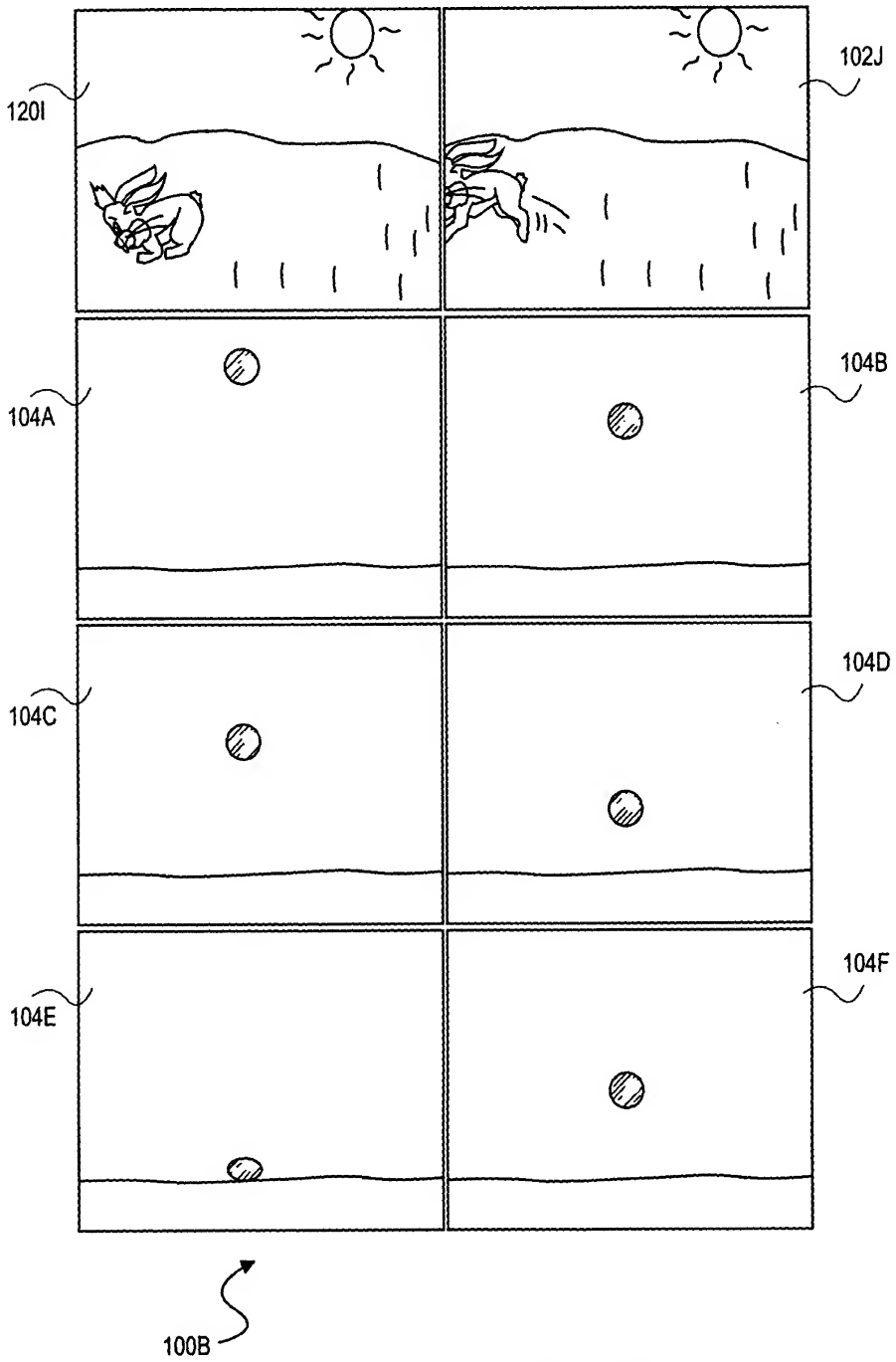

FIG. 1B

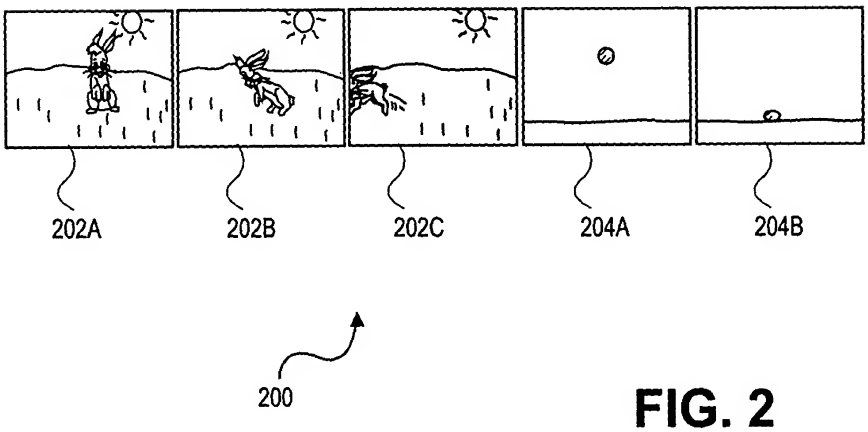
202A
202B
202C
204A
204B
200

FIG. 2

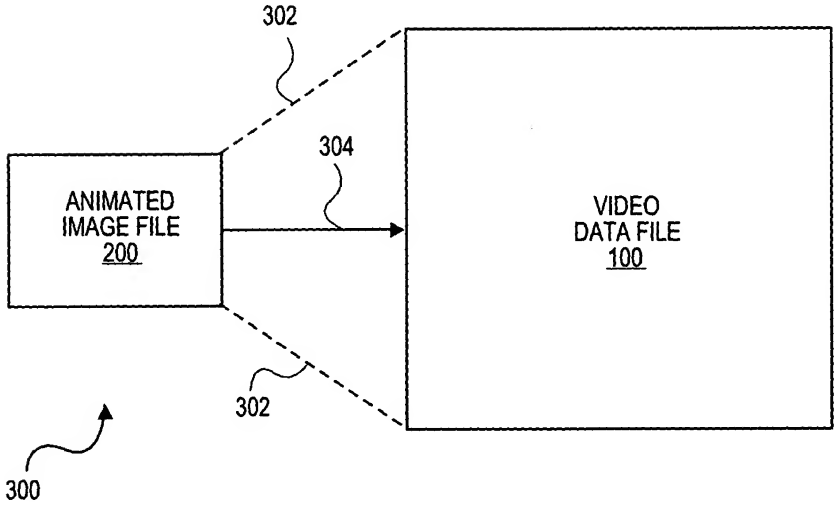
302
304
ANIMATED IMAGE FILE 200
VIDEO DATA FILE 100
302
300

FIG. 3

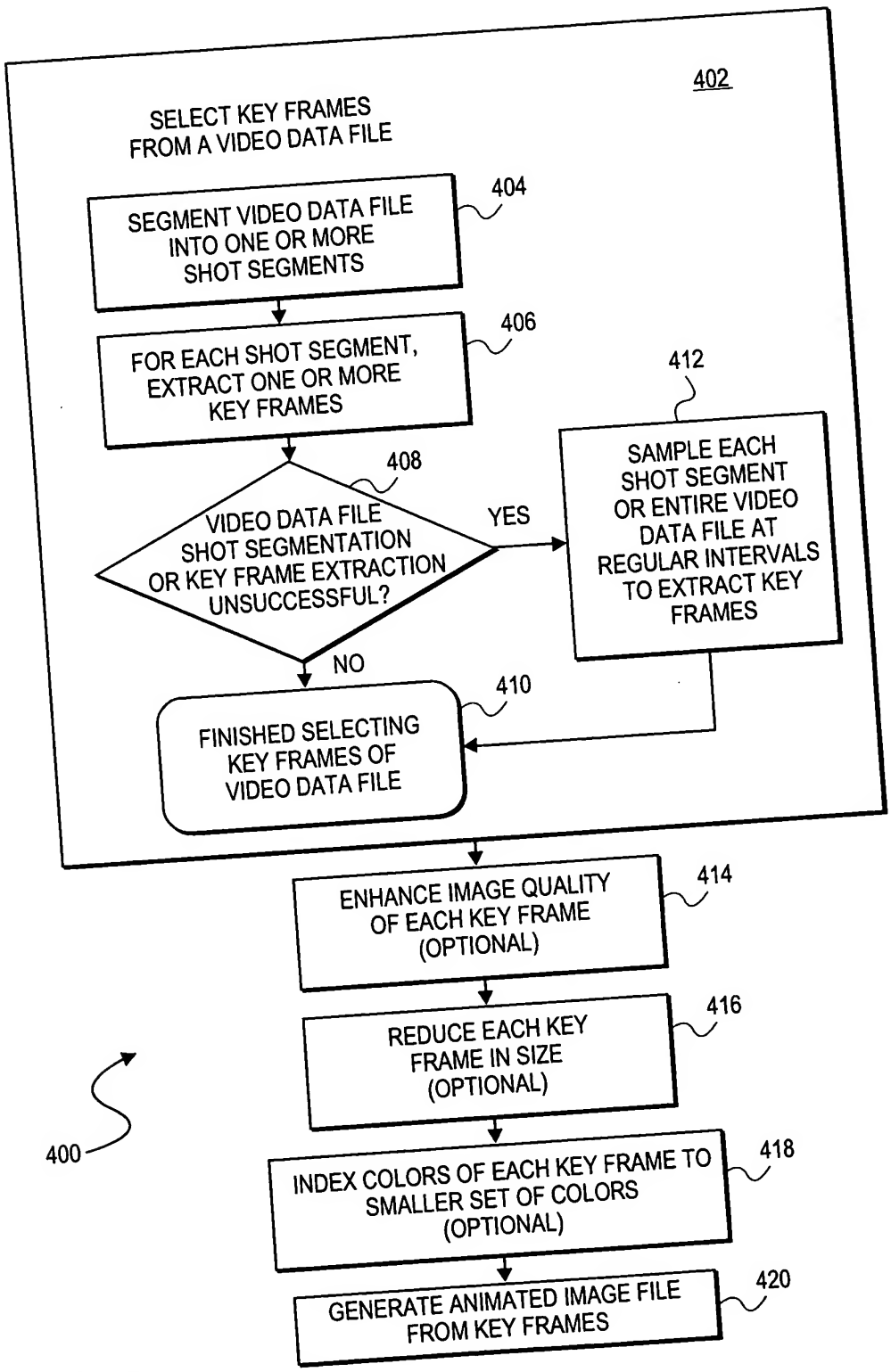
402
SELECT KEY FRAMES FROM A VIDEO DATA FILE
SEGMENT VIDEO DATA FILE INTO ONE OR MORE SHOT SEGMENTS
404
FOR EACH SHOT SEGMENT, EXTRACT ONE OR MORE KEY FRAMES
406
412
SAMPLE EACH SHOT SEGMENT OR ENTIRE VIDEO DATA FILE AT REGULAR INTERVALS TO EXTRACT KEY FRAMES
408
VIDEO DATA FILE SHOT SEGMENTATION OR KEY FRAME EXTRACTION UNSUCCESSFUL?
YES
NO
410
FINISHED SELECTING KEY FRAMES OF VIDEO DATA FILE
ENHANCE IMAGE QUALITY OF EACH KEY FRAME (OPTIONAL)
414
REDUCE EACH KEY FRAME IN SIZE (OPTIONAL)
416
400
INDEX COLORS OF EACH KEY FRAME TO SMALLER SET OF COLORS (OPTIONAL)
418
GENERATE ANIMATED IMAGE FILE FROM KEY FRAMES
420

FIG. 4

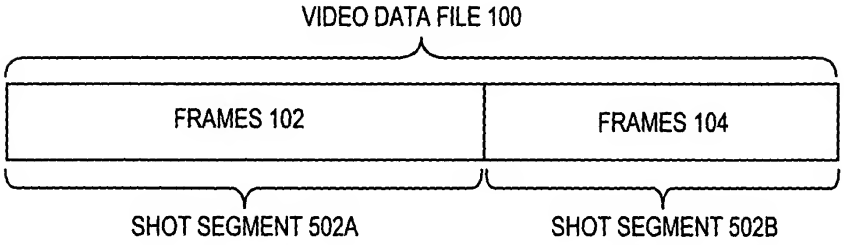

FIG. 5

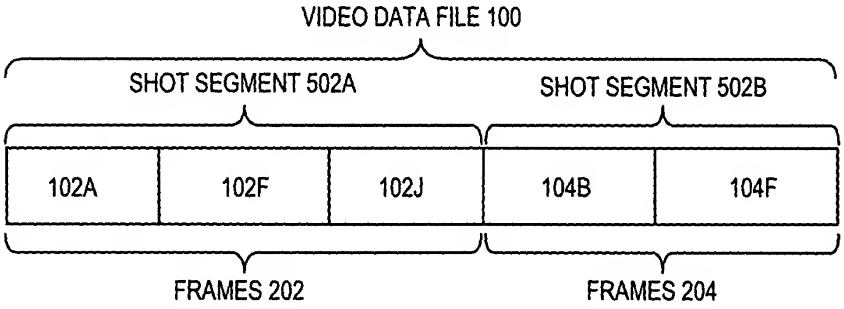

FIG. 6

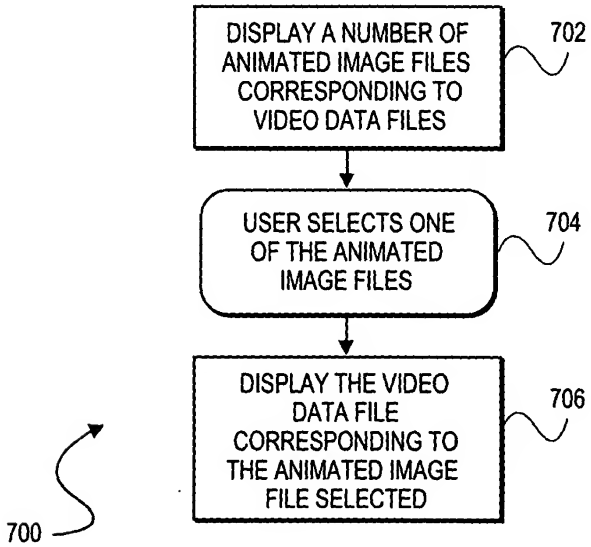

FIG. 7

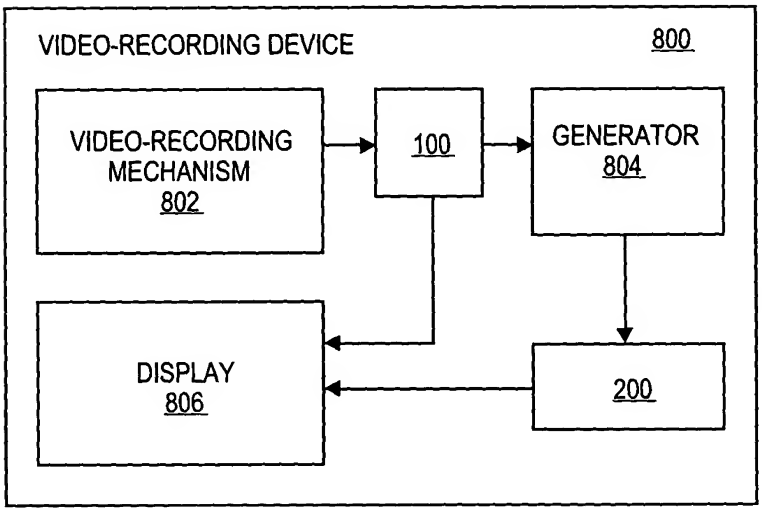
VIDEO-RECORDING DEVICE
800
VIDEO-RECORDING MECHANISM
802
100
GENERATOR
804
DISPLAY
806
200

FIG. 8

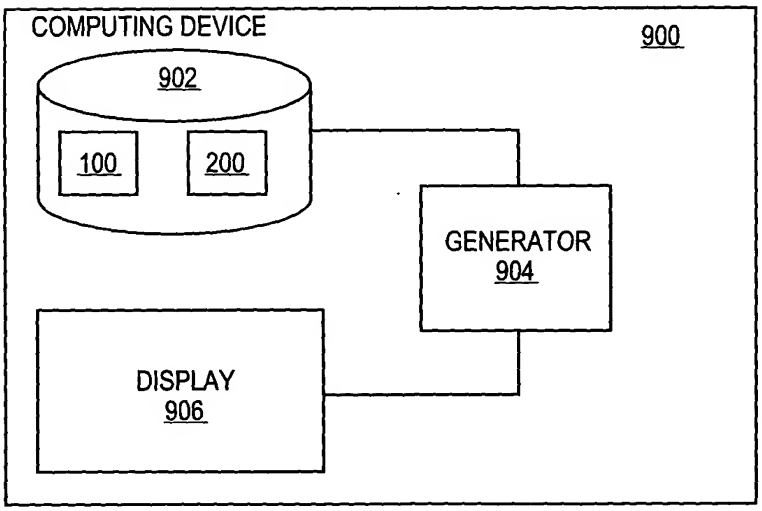
COMPUTING DEVICE
900
902
100
200
GENERATOR
904
DISPLAY
906

FIG. 9